

Serial Number: 09/491,994

 Changed a file from non-ASCII to ASCII**ENTERED****RECEIVED** Changed the margins in cases where the sequence text was "wrapped" down to the next line. Edited a format error in the Current Application Data section, specifically:

OCT 04 2000

 Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other _____

TECH CENTER 1600/2900

 Added the mandatory heading and subheadings for "Current Application Data". Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer. Changed the spelling of a mandatory field (the headings or subheadings), specifically: Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place. Inserted colons after headings/subheadings. Headings edited included: Deleted extra, invalid, headings used by an applicant, specifically: Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file;
 page numbers throughout text; other invalid text, such as _____ Inserted mandatory headings, specifically: Corrected an obvious error in the response, specifically: Edited identifiers where upper case is used but lower case is required, or vice versa. Corrected an error in the Number of Sequences field, specifically: A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted. Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____ Other:

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

1632

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/491,974

DATE: 09/26/2000
 TIME: 16:43:00

Does Not Comply
 Corrected Diskette Needed

Input Set : A:\Sequence Listing.TXT
 Output Set: N:\CRF3\09262000\I491974.raw

9 <110> APPLICANT: U.S. Medical Research Institute of Infectious Diseases
 10 Schmaljohn, Connie S.
 11 Hooper, J. W.
 13 <120> TITLE OF INVENTION: DNA Vaccines Against Hantavirus Infections
 15 <130> FILE REFERENCE: Army-142
 17 <140> CURRENT APPLICATION NUMBER: 09/491,974
 C--> 19 <141> CURRENT FILING DATE: 2000-07-27
 21 <150> PRIOR APPLICATION NUMBER: US 60/117,680
 23 <151> PRIOR FILING DATE: 1999-01-29
 25 <160> NUMBER OF SEQ ID NOS: 4
 27 <170> SOFTWARE: Microsoft Word, Office 97, IBM compatible

ERRORED SEQUENCES

397 <210> SEQ ID NO: 4
 399 <211> LENGTH: 6050
 400 <212> TYPE: DNA
 401 <213> ORGANISM: artificial sequence
 W--> 402 <220> FEATURE:
 403 <223> OTHER INFORMATION: /note="S genome segment from SEOV, strain SR-11, subcloned into DNA vector pWRG7077"
 W--> 404 <400> SEQUENCE: 4
 405 ggggggggg ggcgctgagg ttcgcctcggt gaagaagggt 40
 406 ttgcgtactc atacccggcc tgaatcgccc catcatccag 80
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 408 taggtggacc agttttgtat tttaacttgc tgctttggca 160
 409 cggaaacggtc tgcgttgcg ggaagatgcg tgatctgatc 200
 410 cttcaactca gcaaaatgttcc gattttatca acaaaggccg 240
 411 cgtcccgatc agtcagcgta atgtctgcg atgtttacaa 280
 412 ccaatttacc aatttctgatt aaaaaaaaaactc atcgagcatc 320
 413 aatggaaact gcaatttttattt cattatcgaa ttatcaatac 360
 414 cattattttgcg aaaaaggccgt ttctgtatg aaggagaaaa 400
 415 ctcacccggg cagttccata ggatggcaag atccctggat 440
 416 cgggtgcgaa ttccgactcg tccaaatca atacaaccta 480
 417 ttaattttcc ctcgtcaaaa ataagggtt caagtggagaa 520
 418 atcaccatga gtgacgactg aatccggtga gaatggcaaa 560
 419 agcttatgca tttttttccaa gactttgtca acaggccagc 600
 420 cattacgctc gtcatcaaaa tcactcgcat caaccaaacc 640
 421 gtttatttattt cgtgatttgcg cctggatgcg acgaaatacg 680
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 425 gttttcccggtt ggatcgactt ggtggatgtt catgcgtt 840
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 429 actctggcgcc atcgggttcc ccatacaatc gatagattgtt 1000

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/491,974

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Input Set : A:\Sequence Listing.TXT
Output Set: N:\CRF3\09262000\I491974.raw

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432 tcgagaaga cgttcccggt tgaatattgc tcataacacc 1120
433 ccttgtatata tttttatgt aaggcagacag ttttattgtt 1160
434 catgtatgata tattttatc ttgtgcaatg taacatcaga 1200
435 gattttgaga cacaacgtgg ctttccccc ccccccggca 1240
436 tgcctgcagg tgcacataaa tcaatattgg ctattggcca 1280
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439 attgtatgtt tattatgtt aatcaatttac ggggttatttt 1400
440 gttcatagcc catatgttgc gtccgcgtt acataactta 1440
441 cggtaaatgg cccgcctcggt gacccggccaa cgaccccccgc 1480
442 ccatttgcgtt caataatgtac gtatgttccc atagtaacgc 1520
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456 gaacggat tccccgttgc aagagtgcgt aagtaccgc 2080
457 ctatagactt tataaggcaca ccccttttgc tctttatgtat 2120
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459 cttatgttgc ttttttttttgc ttttttttttgc 2200
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462 aactatctt attttttttttgc ttttttttttgc 2320
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478 gcacggatgttgc ttttttttttgc ttttttttttgc 2960

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482	tgacttaaac	aagaggggc	tgcatacgatcg	ggagatgtc	3120
483	gcaggctcaa	tacaatcaa	aattgtatgaa	ttgaagcgc	3160
484	aacttgcgc	cagattgcag	cagggaagaa	catccggca	3200
485	ggacgggat	cctacagggg	taggcagg	tgatcatctt	3240
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487	tgaatagtct	tgacattgt	gaacctacag	gacagacagc	3320
488	tgattggctg	accataattg	tctatctgac	atcattcg	3360
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490	gaggtaggc	gacttcaaa	gacaacaagg	ggatgaggat	3440
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519	tactaatct	actgtccct	tttcttttcc	tttctcc	4600
520	tttactaaca	aactaccc	tgcgcatttgc	gcccggatcc	4640
521	ctcgcaatct	cttaggaggat	taggcacagg	cttgatctca	4680
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523	tgaatactcc	atggagaaac	ccagatctac	gtatgtatcg	4760
524	cctcgactgt	gccttctgt	tgcgcaggat	ctgttgttttgc	4800
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531	ttgtttccct	gctcaactgac	tcgtcgctg	cggtcgttcg	5080
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556	tgccgtactc				6050

E--> 559 51

VERIFICATION SUMMARY DATE: 09/26/2000
PATENT APPLICATION: US/09/491,974 TIME: 16:43:01

Input Set : A:\Sequence Listing.TXT
Output Set: N:\CRF3\09262000\I491974.raw

L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:35 M:283 W: Missing Blank Line separator, <220> field identifier
L:36 M:283 W: Missing Blank Line separator, <400> field identifier
L:137 M:283 W: Missing Blank Line separator, <220> field identifier
L:138 M:283 W: Missing Blank Line separator, <400> field identifier
L:190 M:283 W: Missing Blank Line separator, <220> field identifier
L:192 M:283 W: Missing Blank Line separator, <400> field identifier
L:402 M:283 W: Missing Blank Line separator, <220> field identifier
L:404 M:283 W: Missing Blank Line separator, <400> field identifier
L:559 M:254 E: No. of Bases conflict, LENGTH:Input:1 Counted:6050 SEQ:4